

A Monograph of the Genus *Lemonias*, with Descriptions of New Species in the Collection of the British Museum, including other forms sometimes placed in that Genus. By ARTHUR G. BUTLER, F.Z.S., Assistant in the Zoological Department, British Museum. Communicated by Dr. J. E. Gray, F.R.S., V.P.Z.S.

(With two Plates.)

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MY primary object in the present paper is to separate the typical or true species of *Lemonias* from those, of a different form and pattern, which, though allied to that genus, are too distinct both in form and pattern to be retained in it.

The little genus *Tharops*, for instance, can be so readily distinguished, both by form and coloration, from *Lemonias*, that it seems a violation of all order to include them under the same heading; the genus *Anatole*, again, in no way resembles *Lemonias* in coloration, and moreover differs from it entirely in outline.

I have carefully compared the pattern and structure of the different sexes in this group, and by the help of analogy, locality, &c. have been enabled to discover the opposite sexes of several species, of which the males or females alone have hitherto been recognized. I find, moreover, that in several instances two distinct males have been regarded as sexes of one species, whilst at other times two females have shared the same fate.

#### Genus LEMONIAS.

*Lemonias et Calospila*, E. Doubleday.

*Lemonias* (part.), Westwood & Hewitson.

*Alæ anticæ maris supra cæruleæ, rufo fuscoque variæ; posticæ fuscæ, marginæ flavo: feminæ fuscæ, anticæ fascia obliqua alba. Anticæ subtus punctis nigro-fuscis iridatis scriptæ.*

1. LEMONIAS SUDIAS. (*Lemonias Sudias*, Hewitson, *Exot. Butterf.* ii. p. 115, pl. 58. f. 12, 13, 14 (1858).)

*Hab.* Honduras.

♂, ♀. B.M.

*Alæ maris fuscæ, cæruleo et aliquando albo variæ; feminæ fuscæ, sæpe albo variæ.*

2. LEMONIAS ALECTOR. (*Hamanumida Alector*, Hübner, *Zuträge Exot. Schmett.* f. 927, 928 (1806–27). *Lemonias Alector*, Westwood, *Gen. Diurn. Lepid.* p. 458. n. 6 (1851).)

*Hab.* Brazil.

♀?. Alæ supra fuscae: anticæ fascia subobliqua postmedia alba de costa, coarctata; maculis sex basalibus nigris, albo cinctis; maculis sex submarginalibus iride pallida cinctis: posticæ maculis quinque basalibus, sex septemve mediis in serie arcuata dispositis, septemque marginalibus nigris albo cinctis: corpus fuscum. Alæ subtus pallidiores, aliter velut supra: corpus albidum. Exp. alar. unc.  $1\frac{3}{8}$ . Pl. VI. fig. 1.

Hab. Tapajos.

B.M.

3. LEMONIAS VIOLACEA, sp. nov. Pl. VI. figs. 2, 3.

♂. Alæ anticæ violaceæ, basi fusciscente; maculis tribus discoideis duabusque internis nigris violaceo cinctis; maculis sex dissimilibus mediis nigris in serie arcuata positis; area externa marginali nigro-fusca, a venis violaceis maculisque sex marginalibus nigris violaceo cinctis interrupta: posticæ albæ, costa violacea maculisque nonnullis basalibus nigris albedo cinctis; punctis sex submarginalibus nigris: corpus fuscum. Anticæ subtus velut supra, fuscae autem pallidioresque: posticæ costa fusca, punctis sex mediis in serie arcuata positis; aliter velut supra: corpus albedo-fuscum. Exp. alar. unc.  $1\frac{5}{16}$ .

♀. Alæ supra fuscae, anticæ fascia media alba; macularum exemplar velut in *L. Alectore*? ♀, maculis autem mediis magis ad basim approximantibus. Exp. alar. unc.  $1\frac{5}{16}$ .

Hab. Ega.

♂, ♀. B.M.

4. LEMONIAS HÜBNERI, sp. nov. (*Calospila Aristus*, *E. Doubleday*, *List Lep. Brit. Mus.* pt. ii. p. 15 (1847). *Lemonias Aristus*, *Hewitson*, *Gen. Diurn. Lepid.* pl. 71. f. 12 (1851). *Lemonias leucocyana*, *Westwood*, *ibid.* p. 458. n. 14 (1851).)

♂. Alæ anticæ fuscae, venis apud marginem posticum, lineis duabus submarginalibus, duabusque discalibus apud costam intus angulatis, quarum interna valde irregularis est, violaceis; maculis tribus discoideis duabusque internis violaceo cinctis: posticæ velut eæ speciei præcedentis. Alæ anticæ subtus fuscae, maculis basalibus velut supra nigris albo cinctis; sex septemve mediis similibus in serie obliqua apud costam intus angulata, et sex marginalibus majoribus: posticæ albæ, costa paulo fusciscente, maculis octo basalibus, sex mediis in serie valde irregulari dispositis septemque marginalibus nigris: corpus albidum. Exp. alar. unc.  $1\frac{5}{16}$ .

♀. Alæ anticæ fuscae, maculis nigrofuscis velut in mari subtus dispositis: posticæ fuscae, margine anali albo; maculis nigris, velut in mari subtus dispositis: corpus fuscum. Alæ subtus pallidiores, maculis nigris albo cinctis: aliter velut supra: corpus ochreo-fuscum. Exp. alar. unc.  $1\frac{5}{16}$ . Pl. VI. figs. 4, 5.

Hab. Para.

♂, ♀. B.M.

5. LEMONIAS LEUCOCYANA. (*Echenais leucocyana*, *Hübner*, *Zuträge Exot. Schmett.* f. 915, 916 (1806-27).) Pl. VI. figs. 6, 7.

Hab. Para.

♂. B.M.

6. LEMONIAS ARISTUS. (♀. *Papilio Aristus*, *Stoll, Pap. Exot.* pl. 39. f. 4, 4 c (1791). *Erycina Aristus*, *Godart, Enc. Méth.* ix. p. 580. n. 79 (1819). *Lemonias Aristus*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 14 (1851). *Peplia Ariste*, *Hübner, Verz. bek. Schmett.* p. 20. n. 142 (1816). ♂. *Lemonias Aminias*, *Hewitson, Exot. Butterf.* iii. p. 117, pl. 54. f. 29 (1863.)

*Hab.* Surinam (*Stoll*), Guiana, Brazil (*Westw.*), Ega. ♂: B.M.

? *Var.* ♀. *Lemonias Balista*, ♂ *Hewitson, ibid.* iii. p. 116, pl. 58. f. 21, 22 (1863).

*Hab.* Amazon.

The arrangement of the spots in *Aminias* and *Balista* is the same as in *Aristus*.

*Alæ anticae feminae supra fuscae, albido fulvoque variae; posticae dimidio basali fuscae albido scriptae, apicali fulvae. Alæ subtus pallidiores.*

7. LEMONIAS ÆMULIUS. (♀ *Hesperia Æmulius*, *Fabricius, Ent. Syst.* iii. pt. 1. p. 322. n. 19 (1793); *Donovan, Ins. India*, pl. 44. f. 2 (1800); *Godart, Enc. Méth.* ix. p. 580. n. 75 (1819). *Lemonias Æmulius*, *Westwood, Gen. Diurn. Lepid.* p. 459. n. 22 (1851). *Calospila?* *Geris, E. Doubleday, List Lep. Brit. Mus.* pt. ii. p. 15 (1847). *Desmozona hemixanthe*, *Felder, Nov. Voy.* (1867).)

*Hab.* Brazil.

♀. B.M.

This species exactly agrees, in the form of its wings, with *Nymphidium Abaris*, *Cramer*.

8. LEMONIAS BOLENA, sp. nov. Pl. VI. fig. 8.

♀. *Alæ supra ochreae: anticae costa basali fuscae; area apicali quadrate fusca; posticae stria interna anali marginali nigro-fusca; apice fusco. Alæ subtus velut supra pallidiores: corpus thorace fusciscente, abdomine ochreo. Exp. alar. unc.  $\frac{1\frac{3}{8}}$ .*

*Hab.* Brazil.

B.M.

*Anticæ maris basisque posticarum ferrugineæ, area apicali posticarum nivea; alæ subtus fusco pro ferrugineo, anticae macula anali alteraque minore marginali albidis: anticae feminae fuscae, apice nigro-fusco, fascia lata media fulva; posticae fuscae, maculis marginalibus nigris albido cinctis; alæ subtus albidis, anticae apice maculisque analibus, posticae marginalibus nigro-fuscis.*

9. LEMONIAS PENTHEUS. (♂. *Papilio Pentheus*, *Cramer, Pap. Exot.* ii. pl. 143. f. E. (1779); *Fabricius, Mant. Ins.* ii. p. 82. n. 734 (1787); *Fabr. Ent. Syst.* iii. pt. 1. p. 314. no. 186 (1793). *Erycina Pentheus*, *Godart, Enc. Méth.* ix. p. 580. n. 78 (1819). *Calospila Pentheus*, *E. Doubleday, List Lep. Brit. Mus.* pt. ii. p. 15 (1847). *Lemonias Pentheus*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 18 (1851). *Anatole Penthea*, *Hübner, Verz. bek. Schmett.* p. 24. n. 188 (1816). ♀. *Lemonias Anseris*, *Hewitson, Exot. Butterf.* iii. p. 115, pl. 58. f. 21 (1863).)

*Hab.* Guiana, Brazil (*Westw.*), Tapajos, Para.

♂, ♀. B.M.

*Alæ feminæ ferruginæ albo variæ.*

10. LEMONIAS SENTA. (♂. *Lemonias Senta*, *Hewitson, Exot. Butterf.* i. p. 115, pl. 58. f. 4, 5 (1853).)

*Hab.* Ega.

♀. B.M.

*Alæ maris supra ferruginæ fusco variæ, subtus albidæ punctis nigro-fuscis: feminæ supra fulvæ fusco variæ, aut flavæ, apice anticarum fusco, punctis interrupto; subtus albidæ, anticæ ochreo tinctæ, punctis nigro-fuscis.*

11. LEMONIAS CILISSA. (*Lemonias Cilissa*, *Hewitson, Exot. Butterf.* iii. p. 117, pl. 59. f. 33 ♀, 34 ♂ (1863).)

*Hab.* Nicaragua.

♂, ♀. B.M.

12. LEMONIAS CRISPUS. (♂. *Papilio Crispus*, *Cramer, Pap. Exot.* ii. pl. 118. f. D, E (1779). *Echenais Crispus*, *Hübner, Verz. bek. Schmett.* p. 19. no. 123 (1816). *Lemonias Crispus*, *E. Doubleday, List Lep. Brit. Mus.* ii. p. 16 (1847); *Westwood, Gen. Diurn. Lepid.* p. 459. no. 26 (1851). ♀. *Papilio Emylius*, *Cramer, Pap. Exot.* i. pl. 66. f. G, H. (1779); *Fabricius, Mant. Ins.* ii. p. 78. n. 711. (1787); *Ent. Syst.* iii. pt. 1. p. 305. n. 154 (1793). *Erycina Emylius*, *Godart, Enc. Méth.* ix. p. 577. no. 64 (1819). *Calospila Emylius*, *E. Doubleday, List Lep. Brit. Mus.* pt. 2. p. 15 (1847). *Lemonias Emylius*, *Westwood, Gen. Diurn. Lep.* p. 459. no. 21 (1851).)

*Hab.* Guiana, Brazil (*Westw.*), Para.

♂, ♀. B.M.

♂. *Var.* (Area basali anticarum supra magis ferrugineo strigosa.)

*Hab.* Guiana, Antilles, Brazil, Pernambuco (*Westw.*), Ega.

B.M.

This species, although allied to *Lucianus*, is quite distinct from it.

13. LEMONIAS LUCIANUS. (♂. *Hesperia Lucianus*, *Fabricius, Ent. Syst.* iii. pt. 1. p. 313. n. 185 (1793). *Erycina Lucianus*, *Godart, Enc. Méth.* ix. p. 587. n. 113 (1819). *Lemonias Luciana*, *Hübner, Samml. exot. Schmett.* i. pl. 36. f. 1, 2 (1806). *Echenais Luciana*, *Hübner, Verz. bek. Schmett.* p. 19. no. 122 (1816). *Lemonias Crispus* (synonym), *Westwood, Gen. Diurn. Lepid.* p. 459. n. 26 (1851).)

*Hab.* Tapajos.

♂, ♀. B.M.

The female of this species is very like the female of *Crispus*; it differs in its shorter hind wings, and the differently formed band of the front wings.

14. LEMONIAS PSEUDO-CRISPUS. (♂. *Lemonias pseudo-Crispus*, *Westwood, Gen. Diurn. Lep.* p. 459. n. 27 (1851). *Papilio Crispus*, *Cramer, Pap. Exot.* ii. pl. 118. f. F (1779).) Pl. VI. figs. 9, 10.

♀. (*L. nepiæ* simillima, major autem maculisque minus distinctis.)

*Hab.* Brazil, Ega.

♂, ♀. B.M.

15. LEMONIAS NEPIA. (♀. *Lemonias nepia*, *Hewitson, Gen. Diurn. Lepid.* pl. 73. f. 2 (1851); *E. Doubleday, List Lep. Brit. Mus.* ii. p. 16 (1847); *Westwood, Gen. Diurn. Lepid.* p. 459, n. 24 (1851).)  
Pl. VI. fig. 11.

*Hab.* Venezuela.

♂, ♀. B.M.

The male of this species is very like *pseudo-Crispus*, of which it may be only a local form; it is, however, smaller, and with less distinct markings.

16. LEMONIAS NEPIOIDES, sp. nov. (*Pseudo-Crispus, local var.?*)

♂ *Lemonias Luciana* ♀, *Hübner, Samml. exot. Schmett.* i. pl. 36. f. 3, 4 (1806). Pl. VI. figs. 12, 13.

♀. Alæ supra fuscae: anticæ macula permagna media flava; punctis nonnullis basalibus nigro-fuscis; punctis sex submarginalibus albidis: posticæ area apicali ferrugineo punctata; punctis septem submarginalibus albis extus nigro marginatis; basi ferrugineo tincta: corpus fuscum. Alæ subtus albidæ, nigro punctatæ: anticæ ochreo tinctæ; limbo posteriore late fusciscente: posticæ macula apicali, duabusque analibus majoribus nigris: corpus albidum. Exp. alar. unc.  $1\frac{1}{6}$ .

*Hab.* Tapajos, Para.

♂, ♀. B.M.

The male scarcely differs from *pseudo-Crispus* ♂; the female, however, is smaller and rather differently coloured.

*Alæ maris supra ferrugineæ nigro maculatæ, subtus pallidiores; posticæ angulo anali producto: feminae supra fulvæ nigro maculatæ, subtus pallidiores.*

17. LEMONIAS CEREALIS. (♀. *Lemonias Cerealis*, *Hewitson, Exot. Butterf.* iii. p. 118, pl. 59. f. 37 (1863).)

*Hab.* Tapajos.

♀. B.M.

*Alæ maris supra ferrugineæ, apicibus late nigro-fuscis: anticæ feminae ferrugineæ, area apicali nigro-fusca; posticæ fuscae ferrugineo variæ: alæ subtus albidæ fusco et ochreo vel flavo variæ.*

18. LEMONIAS RHODOPE. (♂. *Lemonias Rhodope*, *Hewitson, Exot. Butterf.* i. p. 116, pl. 58. f. 6, 7 (1853). ♀. *Lemonias Ancile* ♂, *ibid.* iii. p. 117, pl. 59. f. 32.)

*Hab.* Ega.

♂, ♀. B.M.

19. LEMONIAS BUBO, sp. nov. Pl. VI. figs. 14, 15.

♂. Alæ anticæ velut in *L. Rhodope*, *Hew.*: posticæ macula subanali geminata albida, aliter velut in *L. Rhodope*. Alæ subtus pallidiores: posticæ breviores, aliter velut in *L. Rhodope*: corpus fusco-albidum. Exp. alar. unc.  $1\frac{2}{6}$ .

♀. Alæ anticæ velut in *L. Rhodope* ♀: posticæ nigro-fuscae, punctis duobus apicalibus; maculis tribus mediis ferrugineis, media majore.



Alæ subtus pallidiores, posticæ breviores, aliter velut in *L. Rhodope* ♀ : corpus fusco-albidum. Exp. alar. unc. 1.

Differs from *Rhodope* in having the hind wings shorter, the hind wings of the male above with a large subanal whitish ochreous spot; of the female with three central round spots which take the place of the two interneural internal streaks seen in *Rhodope* ♀.

20. LEMONIAS MISENES. (*Papilio Misenes*, *Cramer, Pap. Exot.* ii. pl. 118. f. D (1779). *Erycina Misenes*, *Godart, Enc. Méth.* ix. p. 584. n. 96 (1819). *Lemonias Misenes*, *Westwood, Gen. Diurn. Lepid.* p. 459. n. 28 (1851). *Echenais Misenessa*, *Hübner, Verz. bek. Schmett.* p. 19. n. 119 (1816).)

*Hab.* Surinam (*Cramer*), Guiana (*Westw.*).

According to Hewitson, this species may be a *Lycæna*, 'Gen. Diurn. Lepid.' Corrections, p. 533. n. 459.

*Alæ maris majores, ferruginæ fusco cæruleoque, vel nigræ ferrugineo cæruleoque variæ: feminae fuscæ ferrugineo variæ; area apicali posticarum ferruginea: subtus pallidiores, maculis striisque plurimis fuscis.*

21. LEMONIAS RHESA.

♂. *Lemonias Rhesa*, *Hewitson, Exot. Butterf.* ii. p. 116, pl. 58. f. 15, 16 (1858).

♀. *L. Ancilæ* ♀, *Hewits.*, simillima, major autem anticisque striis pluribus ferrugineis. Pl. VI. fig. 16.

*Var.* Maris apice anticarum minus nigrescente, maculis subtus aliter dispositis.

*Hab.* Tapajos (♂ B.M.) · Ega.

♂, ♀. B.M.

22. LEMONIAS ANCILE. (♀. *Lemonias Ancile*, *Hewitson, Exot. Butterf.* iii. p. 117, pl. 59. f. 30, 31 (1863), but not ♂ f. 32.)

*Hab.* Ega.

♀. B.M.

23. LEMONIAS ZEANGER. (*Papilio Zeanger*, *Stoll, Pap. Exot.* pl. 37. f. 2, 2B (1731). *Erycina Zeanger*, *Godart, Enc. Méth.* ix. p. 572. n. 36 (1819). *Polystichtis Zeangira*, *Hübner, Verz. bek. Schmett.* p. 18. n. 116 (1816).)

*Hab.* Surinam.

This species is marked in Doubleday's 'Genera' as in the British Museum Collection; we do not, however, possess it, but an allied species from the Amazons; the true *Zeanger* is evidently nearly allied to *L. Rhesa* of Hewitson, from which it principally differs in the marking of the basal portion of the front wings.

24. LEMONIAS CUPREA, sp. nov. (*Lemonias Zeanger*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 17 (1851).) Pl. VI. figs. 17, 18.

♂. Alæ supra flavo-ferruginæ; apice, margine postico costaque anticarum fuscis: anticæ puncto apicali violaceo, punctis tribus sub-

analibus marginalibus duobusque discalibus apud basin nigris; lineola obliqua subapicali a punctis tribus indistinctis, vel lineola interrupta distincta intus ad venam submedianam continuata, lineolisque tribus æquidistantibus discoideis, nigris: posticæ punctis quinque unque anali triplici marginalibus nigris; margine interno albicante: corpus flavo-ferrugineum, thorace minime fusciscente. Alæ subtus albidæ cinerascens, punctis striisque nigris velut in *L. Rhesa* ♂: subtus corpus albidum. Exp. alar. unc.  $1\frac{1}{4}$ .

Hab. Tapajos, Para.

♂. B.M.

The specimens of this species differ slightly in the arrangement of their markings; indeed the pattern does not appear to be exactly the same in any two individuals.

25. LEMONIAS THARA. (*Lemonias Thara*, Hewitson, *Exot. Butterf.* ii. p. 116, pl. 58. f. 16, 17 (1858).)

Hab. Tapajos.

♂. B.M.

26. LEMONIAS THERMODOË. (♂. *Calospila Thermoed*, Hübner, *Zuträge Exot. Schmett.* f. 715, 716 (1806–27); *E. Doubleday*, *List Lep. Brit. Mus.* pt. ii. p. 15 (1847). *Lemonias Thermoed*, Westwood, *Gen. Diurn. Lepid.* p. 458. n. 16 (1851). *Papilio Parthaon*, Dalman, *Anal. Ent.* p. 46 (1823).)

Hab. Ega, Tapajos.

♂. B.M.

♂. *Var.* (Alis majoribus, fascia posticarum ferruginea magis ad apicem producta; maculis striisque subtus aliter dispositis.)

Hab. Brazil.

♂. B.M.

27. LEMONIAS BORSIPPA. (♂. *Lemonias Borsippa*, Hewitson, *Exot. Butterf.* iii. p. 118, pl. 59. f. 35, 36 (1863).)

Hab. Ega.

♂?, ♀. B.M.

28. LEMONIAS BORSIPPINA, sp. nov. Pl. VI. fig. 29.

♀. Alæ supra fusæ, punctis quatuor ferrugineis: anticæ maculis quatuor apud basin flavo-ferrugineis; fascia discali, punctis quinque post cellam in serie arcuata positis maculisque septem submarginalibus nigro-fuscis: posticæ maculis tribus apud basin flavo-ferrugineis, area anali quadrate flava; punctis tribus subanalibus, uno apicali, maculaque geminata subapicali marginalibus nigris: corpus fuscum. Alæ subtus punctis submarginalibus continuis; posticæ linea discali irregulari nigra: aliter velut in *L. Borsippa* ♀: corpus cinereo-albidum. Exp. alar. unc.  $\frac{7}{8}$ .

Hab. Tapajos.

B.M.

The following species are supposed to be males of the genus *Aricoris*; I think there can be no doubt that they are so, although at present I retain them at the end of this genus:—

*Alæ maris supra cæruleæ, fusco, albo rariusque rufo variæ.*

Section I.

*Alæ supra cæruleæ ; subtus albidæ fusco variæ, venis fuscis.*

1. ARICORIS PYTHIA. (Lemonias Pythia, Hewitson, *Exot. Butterf.* i. p. 116, pl. 58.)

*Hab.* Tapajos.

♂. B.M.

2. ARICORIS AMETHYSTINA, sp. nov. Pl. VII. fig. 7.

*Alæ supra fuscæ, purpurascens: anticæ fascia brevi media obliqua alba: corpus fuscum. Alæ subtus eis L. Pythiæ simillimæ: posticæ stria discoidali. Exp. alar. unc. 1½.*

*Hab.* Santarem.

♂. B.M.

This species is closely allied to the preceding one, of which it may be a local form, but differs in outline, the costæ of the hind wings being more direct, the lower portion of the outer margins of the fore wings not convex as in *Pythia*; in colouring it differs as follows:—hind wings above entirely blue, with only a very indistinct violaceous oval spot, and two dots near the anal angle, below with a discoidal streak within the hind-wing-cell.

3. ARICORIS LAGUS. (Papilio Lagus, Cramer, *Pap. Exot.* ii. pl. 117. f. F, G (1779). *Hesperia* Lagus, Fabricius, *Ent. Syst.* iii. pt. 1. p. 306. n. 159 (1793). *Polyommatus* Lagus, Godart, *Enc. Méth.* ix. p. 680. n. 195 (1819). *Theope* Lagus, E. Doubleday, *List Lep. Brit. Mus.* ii. p. 6 (1847). *Pandemos* Lagus, Westwood, *Gen. Diurn. Lepid.* p. 440. n. 2 (1851). *Pandemos* Lagis, Hübner, *Verz. bek. Schmett.* p. 25. n. 193 (1816).) Pl. VII. figs. 2, 4.

*Hab.* Surinam (*Fabr.*), Ega, Fonteboa.

♂. B.M.

*Var.* Anticæ macula majore striaque interna apud basim violacea.

*Hab.* Ega.

♂. B.M.

4. ARICORIS PYTHIOIDES, sp. nov. Pl. VII. fig. 3.

♂. *Alæ supra nigræ cærulescentes, costis nigris: anticæ macula magna discali alba, subhyalina, striaque interna apud basim cærulea albidæ: posticæ striis tribus subanalibus subcæruleis inter venas positis: corpus fuscum. Alæ subtus velut in A. Lago, Fabr.: corpus albidum. Exp. alar. unc. 1 $\frac{9}{16}$ .*

*Hab.* Ega.

♂. B.M.

Allied to *A. Lagus*, var., but of a different colour, with the markings more distinct, the hind wings of a totally different form, and with discal streaks disposed somewhat as in *A. Pythia* of Hewitson.

*Var.* *Alæ posticæ supra nigrescentes et immaculatæ.*

*Hab.* Ega.

B.M.



5. *ARICORIS CYANEA*, sp. nov. Pl. VII. figs. 5, 6.

♂. Alæ supra cyanæ nitidæ, macula valde indistincta anticis albida, apicibus costisque nigris: corpus fuscum. Alæ subtus velut in *A. Lago*, Fabr., posticæ autem basi nec flava: corpus albidum. Exp. alar. unc.  $1\frac{5}{8}$ .

*Hab.* Brazil?, Tapajos, Santarem. B.M.

Closely allied to *A. Lago*, from which it differs in being of a totally different blue colour, with the basal spot very indistinct on the upperside, and the apices and costæ of the wings distinctly black; on the underside it only differs in having no basal orange spot on the hind wings; the hind wings differ in being shorter, but appear to vary slightly in form.

*Var.* Macula discali anticarum distincta alba geminata. Exp. alar. unc.  $1\frac{3}{8}$ .

*Hab.* Brazil?, Para. ♂. B.M.

## Section II.

*Alæ supra nigro-fuscæ, albo cæruleoque variæ, posticæ rufo variæ.*

6. *ARICORIS LATONA*. (*Lemonias Latona*, Hewitson, *Exot. Butterf.* i. p. 115, pl. 58. f. 1, 2 (1853).)

*Hab.* Amazons. Coll. Bates & Hewitson.

7. *ARICORIS IRENE*. (*Lemonias Irene*, Westwood, *Gen. Diurn. Lepid.* p. 459. n. 29, desc. [foot-note] (1851); Hewitson, *Exot. Butterf.* i. p. 115, pl. 58. f. 3 (1853).) Pl. VII. fig. 8.

*Hab.* Para (*Westw.*), Ega. ♂. B.M.; ♀. Coll. Bates.

8. *ARICORIS SIAKA*. (*Lemonias Siaka*, Hewitson, *Exot. Butterf.* ii. p. 115, pl. 58. f. 10, 11 (1860).)

*Hab.* Ega. ♂. B.M.

## Section III.

*Alæ supra rufæ, subtus flavescentes.*

9. *ARICORIS CRUENTATA*. Pl. VII. fig. 15.

♂. Alæ supra coccineæ, margine tenui, nigro; margine interno posticarum flavescente: corpus ochreo-fuscum, thorace rufo tincto, capite fuscescente, antennis nigris. Alæ subtus flavo-ochraceæ; anticæ costa, apice et margine postico fuscescentibus, margine ipso nigro; posticæ apice et angulo anali flavescantibus, apice et margine postico nigris: corpus ochreo-albidum, abdomine a latere coccineo, antennis albis nigro fasciolatis. Exp. alar. unc.  $1\frac{7}{8}$ .

♀. Alæ supra flavescentes, marginibus nigro-fuscis, costa medio interrupta: subtus pallidiores, costa nec fuscescente, aliter velut in mari coloratæ. Exp. alar. unc.  $1\frac{5}{8}$ .

*Hab.* Ega. ♂, ♀. B.M.; Coll. Bates.

Very like some species of *Mesene*, but larger, and with long palpi.

The following species form the genus *Tharops* of Hübner and Doubleday:—

THAROPS, *Hübner*.

*Alæ supra cæruleæ viridesce, nigro fusco variæ; alæ posticæ marium ad angulum analem productæ.*

Section I.

*Alæ posticæ maris subtrigonatæ, ad angulum analem paulo productæ, margine postico obliquo.*

1. THAROPS MENANDER. (*Papilio Menander*, *Cramer, Pap. Exot.* iv. pl. 334. f. C, D ♀ (1782). *Tharops Menander*, *Hübner, Verz. bek. Schmett.* p. 109. n. 1179 (1816); *E. Doubleday, List Lep. Brit. Mus.* pt. ii. p. 14 (1847); *Hewitson & Westwood, Gen. Diurn. Lepid.* pl. 71. f. 11 ♂ (1851). *Lemonias Menander*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 1 (1851). *Erycina Petronius*, *Godart, Enc. Méth.* ix. p. 570. n. 29 ♀ (1819).)

*Hab.* Guiana, Brazil (*Westw.*), Para.

♀. B.M.

2. THAROPS CORUSCANS, sp. nov. Pl. VI. fig. 19.

♀. *Alæ supra cæruleo-virides*: anticae costa apud basin lineaque marginali cæruleis nitidis; area apicali fusca, a fasciis duabus obliquis nigro-fuscis irregularibus, de costa ad nervulum medianum tertium currentibus, interrupta; cella maculas tres nigras includente; area interna a fascia submarginali maculisque septem interrupta, harum tres inter nervulos primum et secundum medianos, quatuorque inter nervulum primum et nervum submedianum positæ sunt: posticæ apice fusco; fasciola interna fasciisque tribus nigro-fuscis continuis, duabus marginalibus, tertiaque discali irregulari angulata: corpus fuscum. *Alæ subtus ochreæ*: anticae margine interno grisescente, apicali fuscescente; punctis fuscis velut in *T. Menandro* positis, basilibus autem plus, et apicalibus minus distinctis; posticæ punctis velut in *T. Menandro*, magis autem separatis et in seriebus magis irregularibus positis; macula permagna apicali, altera anali, duabusque parvis inter eas positis: corpus album minime ochreo tinctum. Exp. alar. unc. 1 $\frac{5}{8}$ .

*Hab.* Para.

B.M.

We have two specimens of this species in the collection; it is closely allied to *T. Menander*, but larger and with the spots differently arranged, the hind margin of the fore wings more convex, the hind wings proportionally longer and the underside of a distinctly ochreous colour.

## 3. THAROPS NITIDA, sp. nov. Pl. VI. figs. 20, 21.

♂. Alæ supra cæruleæ, nitidissimæ, certo situ viridescentes, apice anticarum ad cellæ finem nigro-fusco; seriebus duabus macularum nigrarum submarginalibus, externa maculis sex, interna quinque; maculis tribus post cellam unaque ad cellæ finem nigris: posticæ apicæ linea marginali fasciolaque apicali nigro-fuscis: corpus fuscum. Alæ subtus albæ: anticæ apice discique medio paulo fuscescentibus: alæ lineis duabus irregularibus discalibus, externa lunulata; linea submarginali valde indistincta simili, lineisque duabus apud basim irregularibus, indistinctis, ochreis: corpus albidum. Exp. alar. unc.  $1\frac{9}{16}$ .

♀. Alæ supra viridi-cæruleæ, fasciis duabus continuis submarginalibus nigro-fuscis; anticæ fasciis tribus irregularibus de costa currentibus, duabus externis ad marginem internum continuatis sed vix indicatis; posticæ fascia discali irregulari maculata fasciolisque apud basim costalibus nigro-fuscis: corpus fuscum. Exp. alar. unc.  $1\frac{5}{8}$ .

Hab. Brazil.

B.M.

Both sexes, the female in bad condition: allied to the preceding species.

4. THAROPS HEBRUS. (Papilio Hebrus, Cramer, *Pap. Exot.* pl. 50. f. E, F. (1779); Fabricius, *Mant. Ins.* ii. p. 77. n. 700 (1787); *Ent. Syst.* iii. pt. 1. p. 301. n. 141 (1793). Erycina Hebrus, Godart, *Enc. Méth.* ix. p. 570. n. 30. (1819). Lemonias Hebrus, Westwood, *Gen. Diurn. Lepid.* p. 458. n. 4 (1851). Peplia Pelidna?, Hübner, *Verz. bek. Schmett.* p. 20. n. 141 (1816).)

Hab. Guiana, Brazil.

♂. Coll. Salvin; Coll. Bates.

5. THAROPS ION. (Lemonias Ion, Westwood, *Gen. Diurn. Lepid.* p. 458. n. 7, descr. [footnote] (1851).) Pl. VI. figs. 22, 23.

Hab. Brazil (Westw.), Para.

♂, ♀. B.M.

6. THAROPS FELSINA. (♀. Lemonias felsina, Hewitson, *Exot. Butterf.* iii. pl., f. 27, 28.)

Hab. Rio de Janeiro.

B.M.

This species was placed by Mr. Doubleday, in his 'List of the Lepidoptera of the British Museum,' in the genus *Cremna*, under the name of *C. Selina*; I think, however, that Mr. Hewitson is right in placing it where he has, as it appears to be allied to *T. Ion*, Westw. ♀.

7. THAROPS CICUTA. (Lemonias Cicuta, Hewitson, *Exot. Butterf.* iii. pl., f. 24-26.)

Hab. Para.

♂, ♀. B.M.

Our specimens of this species do not precisely agree with the figures by Mr. Hewitson; the male insect is of a more greenish

hue, and has broader black bands than in his figure; the female also has the spots of the upperside less distinct, and tinged with blue.

## Section II.

*Alæ posticæ maris ad angulum analem magis productæ, margine postico apud angulum paulo excavato.*

8. THAROPS PRETUS. (Papilio Pretus, *Cramer, Pap. Exot.* ii. pl. 182. f. C, D (1779); *Fabricius, Mant. Ins.* ii. p. 36. n. 783 (1787); *Ent. Syst.* iii. pt. 1. p. 333. n. 266 (1793). *Erycina Pretus, Godart, Enc. Méth.* ix. p. 570. n. 28 (1819). *Lemonias Pretus, Westwood, Gen. Diurn. Lepid.* p. 458. n. 3 (1851).)

*Hab.* Para.

♂. B.M.

9. THAROPS GLAUCOMA. (*Periplacis glaucoma, Hübner, Exot. Schmett. Zuträge*, f. 927, 928 (1806-27). *Lemonias glaucoma, Westwood, Gen. Diurn. Lepid.* p. 458. n. 5 (1851).)

*Hab.* Brazil.

♂. B.M.

10. THAROPS SPLENDIDA, sp. nov. Pl. VI. figs. 24, 25.

♂. Alæ supra virides, area costali anticarum certo situ violaceo-micante: anticæ margine postico apiceque fuscis; fascia submarginali subintegra, altera discali angulata, fasciola ad cellæ finem, macula cella inclusa maculae discali interna nigris: posticæ apice fusco, margine interno fusco striam rubram includente; area anali maculis duodecim nigris regulariter positis, una apud basim, tribus infra, quatuor submarginalibus, quatuorque marginalibus: corpus fuscum, viridi variegatum. Alæ subtus albidæ, area costali anticarum externaque posticarum paulo violaceo fuscescentibus: anticæ costa et apice, maculis tribus discoideis, una costali, et sex discalibus parvis lunulatis in serie irregulari arcuata positis, rufo-fuscis: posticæ macula permagna costali, apice, maculaque anali, punctis quatuor marginalibus, sexque submarginalibus lunulatis, lunulis sex parvis discoideis striaque interna in serie irregulari positis, tribus discoideis duabusque indistinctis internis, rufo-fuscis: corpus album, abdomine ochreo tincto. Exp. alar. unc. 2.

♀. Alæ anticæ supra fusæ cæruleo roratae, apice rufescente, maculis velut in mari nigro-fuscis, seriei discoideæ albo extus marginatis: posticæ area costali cærulea, area anali fusca viridi rorata, angulo anali late rufescente, maculis analibus velut in mari positis, maculis autem submarginalibus et marginalibus ad apicem continuatis: corpus fuscum. Alæ subtus ochreo-albidæ: anticæ maculis tribus discalibus aliisque discoideis vix distinguendis velut supra positis rufo-fuscis, fascia marginali alteraque submarginali indistinctis ochreis: posticæ macula anali magna, una apud apicem, tribus parvis submarginalibus aliisque

velut supra valde indistinctis rufo-fuscis : corpus album. Exp. alar. unc. 2.

Hab. Para.

♂, ♀. B.M.

Closely allied to *T. glaucoma*, but very different, especially on the underside.

11. THAROPS HYALINA, sp. nov. Pl. VI. fig. 26.

♂. Alæ supra hyalinæ, margine interna anticarum maculisque tribus posticis analibus cæruleis ; marginibus late nigro-fuscis : anticæ fascia lata subapicali venisque nigro-fuscis : posticæ venis, excipe ad cellæ finem, nigro-fuscis : margine interno ochreo tincto : corpus fuscum, capite albo punctatum, thorace præ rufo bimaculato. Alæ subtus velut supra : corpus album. Exp. alar. unc. 2.

Hab. Ega.

♂. B.M.

Hab. Para?

♂, ♀. Coll. Bates.

This beautiful insect is apparently allied to the preceding species ; it does not, however, appear to resemble closely any form yet described.

The following species form the genus *Anatole*, of Hübner and Doubleday :—

Section I.

*Alæ maris subtrigonatæ, posticæ elongatæ ad angulum analem rariusque ad marginis externi medium productæ : fuscæ, albo flavoque variæ.*

1. ANATOLE ZYGIA. (Lemonias (maculata) Zygia, Hübner, *Samml. exot. Schmett.* Band i. pl. 35. f. 1, 2 [var. ♂ as ♀ 3, 4] (1806) ; Westwood, *Gen. Diurn. Lepid.* p. 458. n. 10 (1851). Anatole Zygia, Hübner, *Verz. bek. Schmett.* p. 24. n. 187 (1816) ; E. Doubleday, *List Lep. Brit. Mus.* ii. p. 15 (1847).)

Hab. Venezuela, Para.

♂, ♀. B.M.

2. ANATOLE EGAENSIS, sp. nov. Pl. VI. fig. 28.

♀. Alæ minores, supra punctis minoribus albis, aliter velut in *A. Zygia*. Alæ subtus maculis flavis fusciscentibus. Exp. alar. unc. 1½.

♀. Alæ supra nigro-fuscæ, fascia media lata communi alba ; anticæ punctis sex submarginalibus minimis albis ; posticæ maculis septem submarginalibus nigris, tertia albo cincta, aliis indistinctissime extus albido cinctis : corpus nigro-fuscum. Alæ subtus basi posticarum magis fusciscente, fascia lata media velut supra nivea ; aliter velut mari : corpus albidum. Exp. alar. unc. 1½.

Hab. Ega.

♂, ♀. B.M.

The male of this insect is so much like *A. Zygia* that, unless we also possessed the female, it would be impossible to consider it anything more than a local form of that species.



3. ANATOLE EPONE (*A. ZYGIA*, var.?). (*Erycina Epone*, *Godart, Enc. Méth.* ix. p. 580. n. 76 (1819). *Lemonias Epone*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 11 (1851).)

*Hab.* Brazil.

♀ ? B.M.

4. ANATOLE CHEA. (*Lemonias Chea*, *Hewitson, Exot. Butterf.* iii. p. 118, pl. 59 (1863).)

*Hab.* Amazon.

Coll. Saunders & Hewitson.

5. ANATOLE CALIGINEA, sp. nov. Pl. VII. fig. 16.

♂. Alæ supra nigro-fuscæ: anticæ punctis velut in *A. Zygia* albidis: posticæ linea indistincta subbasali albida, ocellis septem marginalibus nigris albido cinctis et ferrugineo circumcinctis: corpus fuscum. Alæ subtus area basali nivea flavo-olivaceo maculata, area apicali olivacea: anticæ fasciola obliqua nivea irregulari post cellam posita; margine postico maculis septem fuscis, intus lunulis niveis marginatis; margine inter venas alternatas niveo: posticæ margine postico late niveo, maculis punctisve septem submarginalibus nigris, anali a vena flava medio interrupta; venis apud marginem flavescentibus; ciliis supra et subtus albis fusco variis: corpus subtus olivaceo-fuscum. Exp. alar. unc. 1½.

*Hab.* Mexico.

♂. B.M.

We have one specimen of this species, in bad condition: it is allied to *A. Zygia*, and looks as if it might be the male of *A. Epone* ♀ ?; but the locality appears to me to be too widely distant to allow of this.

6. ANATOLE ORPHEUS. (*Cremna Orpheus*, *Hewitson, Gen. Diurn. Lepid.* pl. 71. fig. 8; *Westwood*, p. 456. n. 4 (1851); *E. Doubleday, List Lep. Brit. Mus.* pt. ii. p. 14 (1847).)

*Hab.* Brazil.

♂. B.M.

This species, although it has hitherto been placed in the genus *Cremna*, is evidently closely allied to *A. Zygia* and *A. caliginea*, sp. nov.

7. ANATOLE PULCHERRIMA, sp. nov. Pl. VI. fig. 27.

♂. Alæ anticæ supra rufo-olivaceæ, costa basali et basi ferrugineis, maculis quatuor ovalibus subbasalibus fuscis; fasciola post cellæ extimum obliqua extus irregulari flavo-ferruginea de costa ad nervulum medianum primum pene currente, linea irregulari submarginali ferruginea maculaque subanali flavo-ferruginea; margine interno macula subtriangulari media interrupto: posticæ nivæ, basi fusca, apice fusco ferrugineo interrupto; maculis duabus analibus fuscis ferrugineo interruptis: corpus fuscum. Alæ subtus multo pallidiores, maculis nonnullis basalibus fuscis albido cinctis, aliter velut supra: corpus albido-fuscum. Exp. alar. unc. 1¾.

*Hab.* Nauta (Amazon).

♂. B.M.

Intermediate between *Zygia* and *Albinus*.

8. ANATOLE ALBINUS. (*Lemonias Albinus*, *Felder, Wien. entom. Monatschr.* v. p. 101. n. 67 (1861).)

*Hab.* Venezuela. ♂, ♀. B.M.

9. ANATOLE GLAPHYRA. (*Anatole Glaphyra*, *Hewitson, Gen. Diurn. Lepid.* pl. 71. fig. 3 (1851). *Lemonias Glaphyra*, *Westwood, ibid.* p. 458. n. 9 (1851).)

*Hab.* Rio de Janeiro (Brazil). ♂, ♀. B.M.

### Section II. APODEMIA, *Feld.*

*Alæ maris feminæque simillimæ, fuscæ ferrugineo et albo variæ; velut in generibus Nemeobio vel Melitaca maculatæ.*

10. APODEMIA EROSTRATUS. (*Anatole Erostratus*, *Hewitson, Gen. Diurn. Lepid.* pl. 71. f. 4 (1851); *E. Doubleday, List Lep. Brit. Mus.* ii. p. 15 (1847). *Lemonias Erostratus*, *Westwood, Gen. Diurn. Lepid.* p. 458. n. 12 (1851).)

*Hab.* Venezuela. ♂, ♀. B.M.

11. APODEMIA EPULUS. (*Papilio Epulus*, *Cramer, Pap. Exot.* i. pl. 50. f. C, D (1779); *Fabricius, Mant. Ins.* ii. p. 71. n. 680 (1787); *Ent. Syst.* iii. pt. i. p. 292. n. 117 (1793). *Erycina Epulus*, *Godart, Enc. Méth.* ix. p. 585. n. 99 (1819). *Lemonias Epulus*, *Hübner, Samml. exot. Schmett.* Band i. pl. 38. f. 1-4 (1806); *E. Doubleday, List Lep. Brit. Mus.* pt. ii. p. 16 (1847); *Westwood, Gen. Diurn. Lepid.* p. 459. n. 25. (1851). *Hamearis Epule*, *Hübner, Verz. bek. Schmett.* p. 19. n. 127 (1816).)

*Hab.* Guiana (*Westw.*), Para, Brazil. ♂, ♀. B.M.

♀ *Var.* *Alæ supra nigro-fuscæ, maculis ferrugineis variæ; anticæ, maculis quatuor mediis albidis a venis interruptis. Alæ subtus obscuriores.*

*Hab.* Brazil. B.M.

*Note.* This species varies very much in depth of colouring; Brazilian specimens seem to be generally the lightest in hue.

12. APODEMIA MORMO. (*Lemonias Mormo*, *Felder, Wien. entom. Monatschr.* iii., *Lepid. Fragm.* p. 271. n. 19 (1859).)

*Hab.* Salt Lake (California). Coll. Salvin.

13. APODEMIA AURINIA. (*Lemonias Aurinia*, *Hewitson, Exot. Butterf.* iii. p. 115, pl. 58. f. 19, 20 (1863).)

*Hab.* Santarem. ♂, ♀. B.M.

14. APODEMIA DOMINA. (♀. *Lemonias domina*, *H. W. Bates, Ent. Month. Mag.* vol. i. p. 204. n. 82 (1864).)

*Hab.* Panamá. Coll. Salvin.

15. APODEMIA COLCHIS, *Felder*. Pl. VII. fig. 17.

♂. Alæ supra fuscaë, serie macularum albarum marginali alteraque submarginali rufescentium : anticæ serie macularum sex septemve albarum arcuata post cellam posita, unaque apud cellæ extimum geminata : posticæ punctis quinque albis discalibus in serie irregulari post cellam positis : corpus fuscum, collo rufescente. Anticæ subtus nigro-fuscaë, costa venis et area postica rufescentibus ; maculis albis velut in *A. Epulo* dispositis variæ ; duabus analibus punctisque fuscis marginalibus aliisque submarginalibus indistinctis albidis rufescentibus : posticæ olivaceæ, lineis subbasalibus lunulatis fasciisque duabus indistinctis marginalibus ferrugineis : corpus albidum. Exp. alar. unc.  $1\frac{7}{8}$ .

*Hab.* Brazil.

♂. B.M.

This species is allied to *Aurinia*, *Domina* and *Epulus* ; it has very much the appearance of a female insect ; but the hairy prolegs show it to be a male ; the abdomen has been broken off.

## 16. APODEMIA STALACHTIOIDES, sp. nov. Pl. VII. fig. 18.

♂. Alæ supra fuscaë, punctis albis maculatæ, fascia submarginali ferruginea ; margine nigro, ciliis albo variis : anticæ cella ferruginea : corpus fuscum, abdomine dimidio anali albo. Alæ subtus fuscaë, maculis albidis omnino maculatæ : posticæ macula interna ferruginea : aliter velut supra : corpus albido-fuscum, abdomine rufescente, a latere albo punctatum. Exp. alar. unc.  $1\frac{5}{16}$ .

*Hab.* Rio de Janeiro.

♂. B.M.

Allied to the preceding species.

The following species have been placed in the genus *Lemonias* ; but I am doubtful whether they really belong to it :—

1. EMESIS? PETRONIUS. (♂. *Hesperia* Petronius, *Fabricius*, *Ent. Syst.* iii. pt. i. p. 324. n. 227 (1793) ; *Donovan*, *Ins. Ind.* pl. 43. f. 2 (1800). *Erycina* Petronius, *Godart*, *Enc. Méth.* ix. p. 573. n. 29 (1819). *Lemonias* Petronius, *Westwood*, *Gen. Diurn. Lepid.* p. 458. n. 2 (1851).)

*Hab.* "In Indiis" (*Fabricius*).

Judging by *Donovan*'s figure, this insect would appear to be a species of *Emesis*.

2. NYMPHIDIUM? KADENII. (*Lemonias* Kadenii, *Felder*, *Wien. ent. Monatschr.* v. p. 101. n. 68 (1861).)

*Hab.* Venezuela.

*Lemonias Ptolomæus* and *L. agrius* of the 'Genera' form a new genus allied to *Charis* ; *Lemonias Meris* is the type of another new genus allied to *Calydna*, for which Mr. Bates has proposed the MS. name of *Lasaia*.

Since writing the present paper, Dr. Felder has published his 'Novara Voyage' containing descriptions and figures of several additional species:—

- LEMONIAS CÆCINA, p. 301. n. 403 } Allied to *Cerealis* of Hewitson, if  
 L. MARTIALIS, p. 301. n. 404 } not species of the genus *Charis*.  
 L. COLCHIS, ii. tab. 37. f. 5, 6 = sp. of *Apodemia*, p. 302, 'Gen. Nov. Feld.'  
 L. ALBINUS, *ibid.* f. 1-4.  
 L. SPERTHIAS, *ibid.* f. 9, 10 = *Nymphidium Abaris* ♂ of Fabricius.  
 L. KADENII, *ibid.* f. 11, 12 = *Nymphidium*, sp. nov.  
 L. CHILENSIS, *ibid.* f. 13, 14 = *Anatole*, sp. nov.  
 APODEMIA MORMO, *ibid.* f. 15, 16.  
 A. SONORENSIS, p. 303. n. 407. Allied to *Mormo*.  
 DESMOZONA HEMIXANTHE, pl. 37. f. 17, 18 = *Lemonias Sosybius*.  
 ARICORIS PETAVIA, pl. 38. f. 5, 6 = *Pherephatte*, var.  
 A. BABIANA, *ibid.* f. 3, 4 = ? ♀ *Uranus*.

I have not introduced all the species of *Aricoris* into this paper, as several are so different from *Lemonias* in appearance, that they have never been confounded with the species of that genus: I have however represented the opposite sexes of several species in my second plate.

## DESCRIPTION OF PLATES.

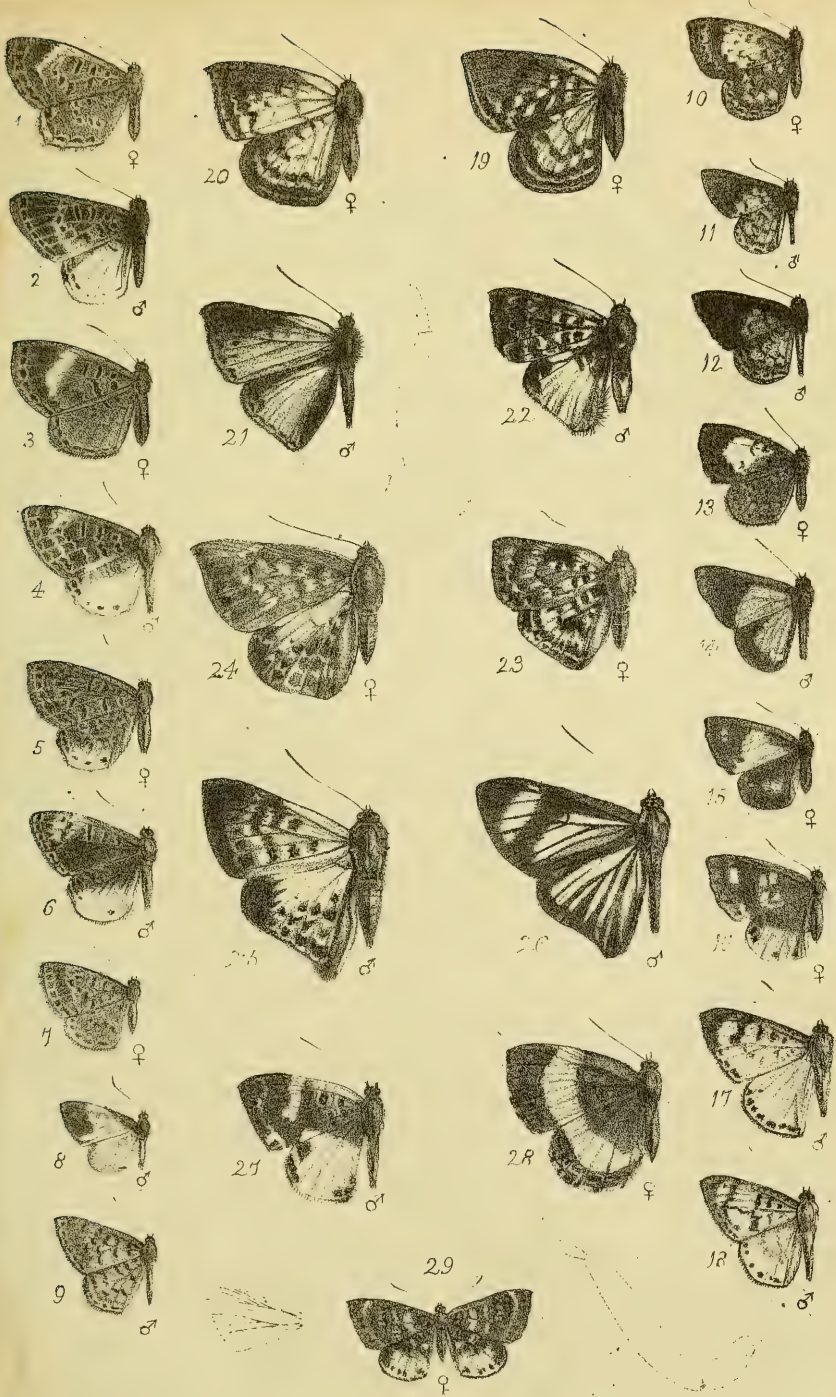
## Plate VI.

- Fig. 1. *Lemonias Alector*, *Hübner*, ♀.  
 2, 3. *L. violacea*, *Butl.*  
 4, 5. *L. Hübneri*, *Butl.*  
 6, 7. *L. leucocyana*, *Hübner*.  
 8. *L. Bolena*, *Butl.*  
 9, 10. *L. pseudo-Crispus*, *Westw.*  
 11. *L. nepia*, *Hewitson*, ♂.  
 12, 13. *L. nepioides*, *Butl.*  
 14, 15. *L. Bubo*, *Butl.*  
 16. *L. Rhesa*, *Hewitson*, ♀.  
 17, 18. *L. cuprea*, *Butl.*  
 19. *Tharops coruscans*, *Butl.*  
 20, 21. *T. nitida*, *Butl.*  
 22, 23. *T. Ion*, *Westw.*  
 24, 25. *T. splendida*, *Butl.*  
 26. *T. hyalina*, *Butl.*  
 27. *Anatole pulcherrima*, *Butl.*  
 28. *A. egaënsis*, *Butl.*, ♀.  
 29. *Lemonias Borsippina*, *Butl.*  
 a. Neuration of *Lemonias*.  
 b. Palpus of *Tharops Ion*.  
 c. Palpus of *Lemonias Thermodoë*.

## Plate VII.

- Fig. 1. *Aricoris inquinata*, *Butl.*  
 (? *Pherephatte*, var.).  
 2, 4. *A. Lagus*, *Cramer*.  
 3. *A. pythioides*, *Butl.*  
 5, 6. *A. cyanea*, *Butl.*  
 7. *A. amethystina*, *Butl.*  
 8. *A. Irene*, *Westw.*  
 9, 10. *A. Epitus*, *Cramer*, var. (*Ega*).  
 11. *A. velutina*, *Butl.*  
 12, 14. *A. Epitus*, *Cramer*, var. (*Amazons*).  
 13. *A. serica*, *Westw. & Hewitson*, ♂.  
 15. *A. cruentata*, *Butl.*  
 16. *Anatole caliginea*, *Butl.*  
 17. *Apodemia Colchis*, *Felder*, var.  
 18. *A. stalactioides*, *Butl.*  
 a. Palpus of *Anatole Zygia*.  
 b. Palpus of *Apodemia Erostratus*.  
 c. Palpus of *Aricoris cyanea*, ♂.  
 d. Palpus of *Metacharis regalis*.





Species of *Leimonias*. &c.





Species of *Aricoris* &c.